

ABSTRACT

Disclosed is a system and method for exchanging a plurality of messages between a server and a client over a communication link to support congestion control therebetween. The present invention provides congestion control in real-time streaming applications over the Internet between the server and the client, by employing an inventive data structure in NACK-based applications to support multiple retransmission attempts per lost packet. The ability to control network traffic without employing a retransmission timeout (RTO) protocol in NACK-based applications allows for the efficient handling of a large variety of network traffic, including video and multimedia traffic.